

## EUROPEAN PATENT OFFICE

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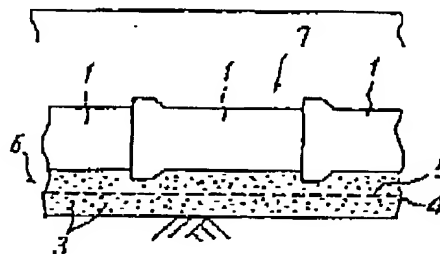
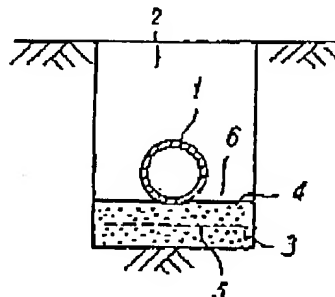
APPLICATION DATE : 09-05-90  
 APPLICATION NUMBER : 02119229

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TITLE : FORMATION OF PIPE BED



**ABSTRACT :** **PURPOSE:** To prevent the unequal sinking of a conduit by increasing the bending strength and continuity by forming a pipe bed by forming a refilling material by mixing a solidifying agent and water into soil and sand and burying a reinforcing material into the refilling material.

**CONSTITUTION:** A laying path 2 for a pipe 1 is excavated, and a refilling material 4 is prepared by mixing a cement group solidifying agent 3 in 10 - 20% for soil and adding water so that the water content is adjusted to 200 - 300%. About the half of the refilling material 4 is poured into the laying path 2, and the reinforcing material 5 is laid over the refilling material 4, and the rest refilling material 4 is poured into the reinforcing material 5, and a pipe bed 6 is formed. Accordingly, the compression strength of the pipe bed 6 can be adjusted by varying the mixing ratio of the solidifying agent 3 according to the quality of the soil. Further, fluidity can be improved by varying the water content of the refilling material 4, and the pipe 1 can be uniformly supported by laying the pipe 1 in the case where a certain degree of fluidity is provided.

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